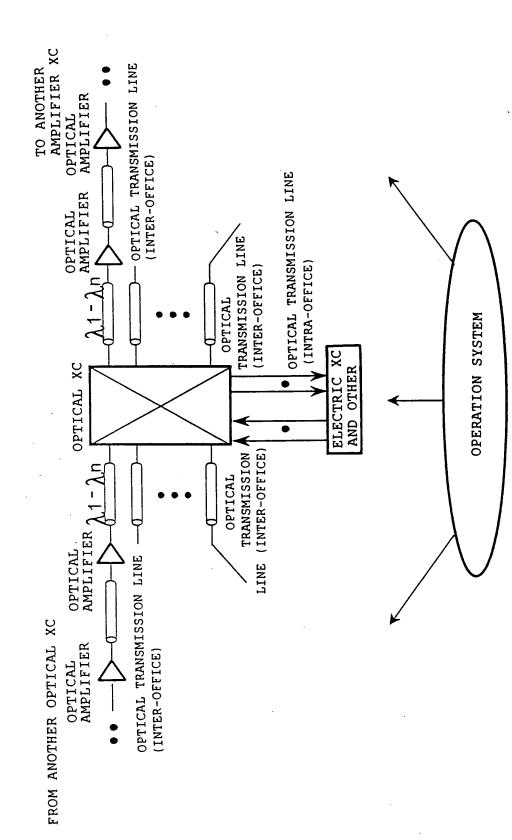
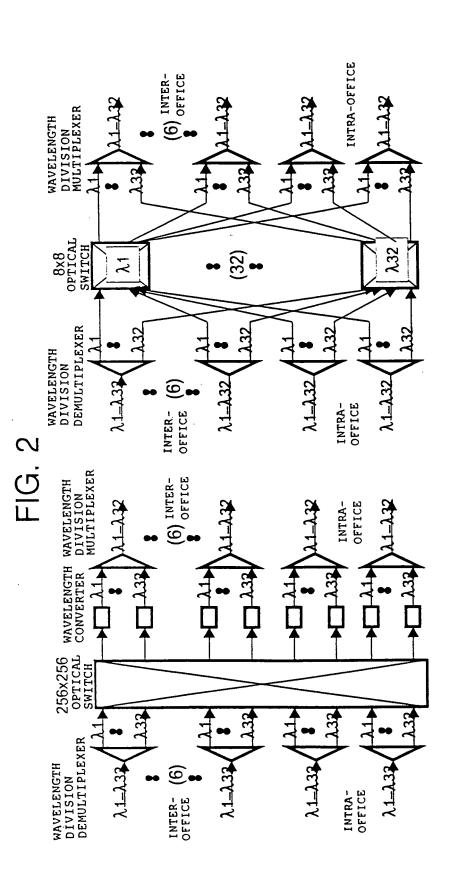
## . В



. .

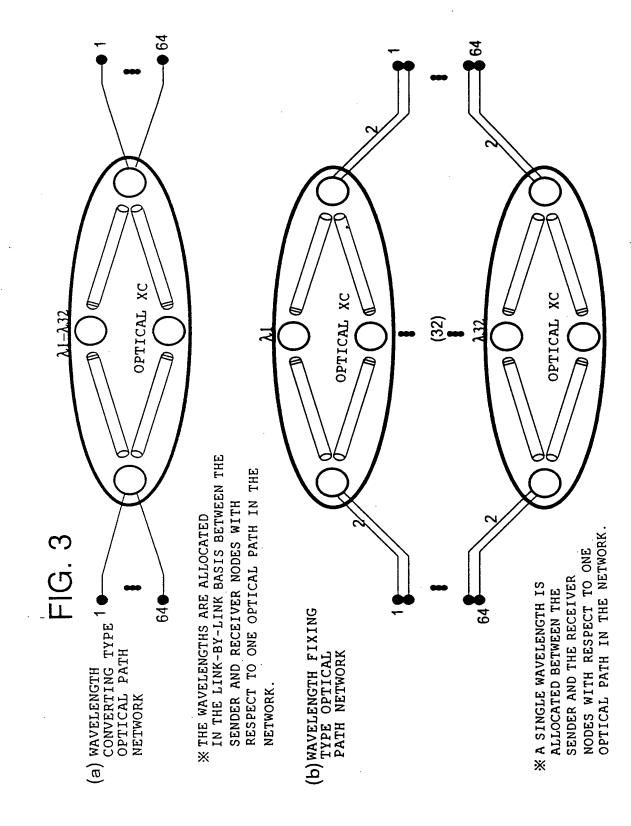


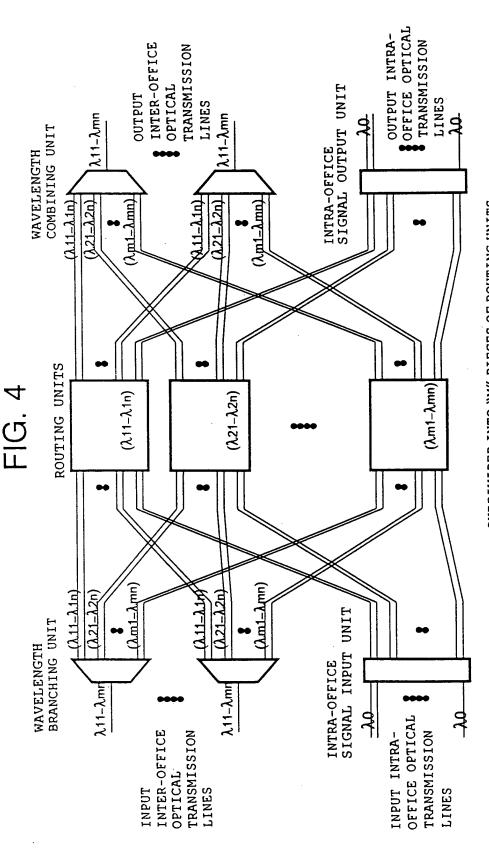
(a) WAVELENGTH CONVERTING TYPE

(b) WAVELENGTH FIXING TYPE

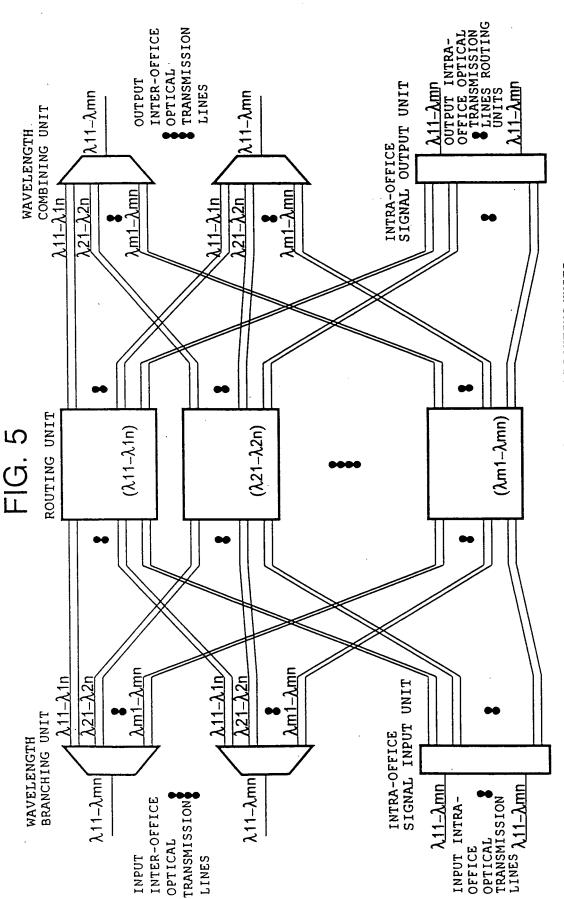
X INTER-OFFICE LINK NUMBER: 6

X INTRA-OFFICE LINK NUMBER: 2
X WAVELENGTH MULTIPLEXED NUMBER: 32



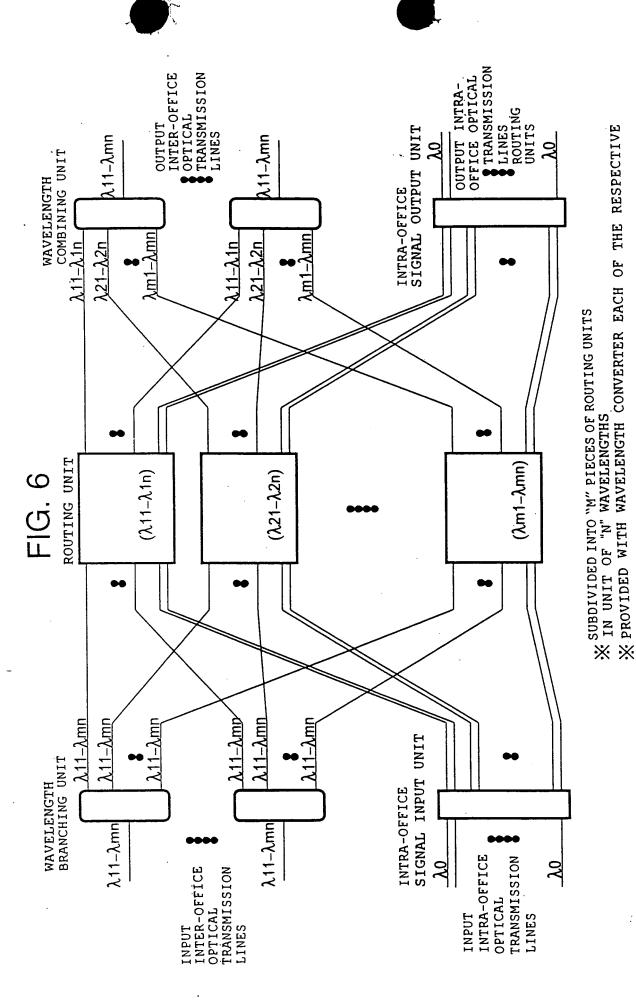


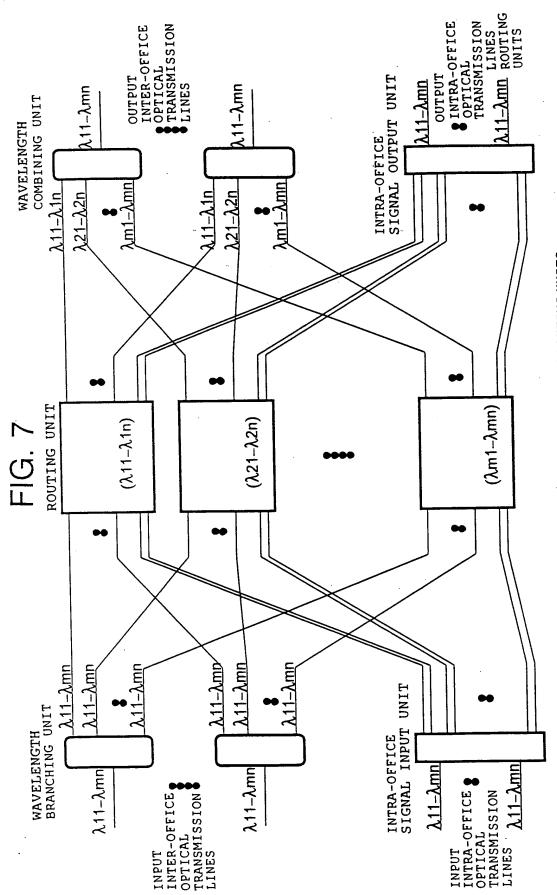
SUBDIVIDED INTO "M" PIECES OF ROUTING UNITS IN UNIT OF "N" WAVELENGTHS WAVELENGTH CONVERTER EACH OF THE RESPECTIVE



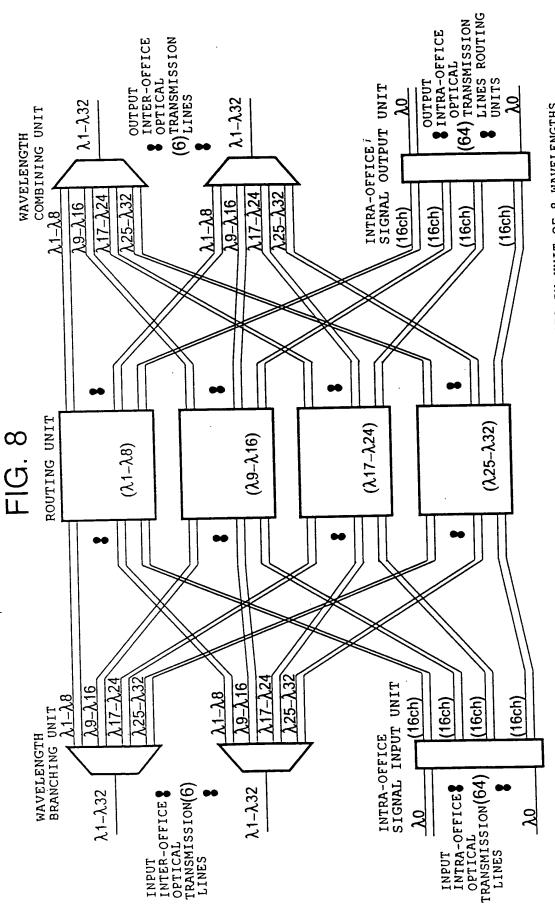
SUBDIVIDED INTO "M" PIECES OF ROUTING UNITS X IN UNIT OF "N" WAVELENGTHS

X PROVIDED WITH WAVELENGTH CONVERTER EACH OF THE RESPECTIVE



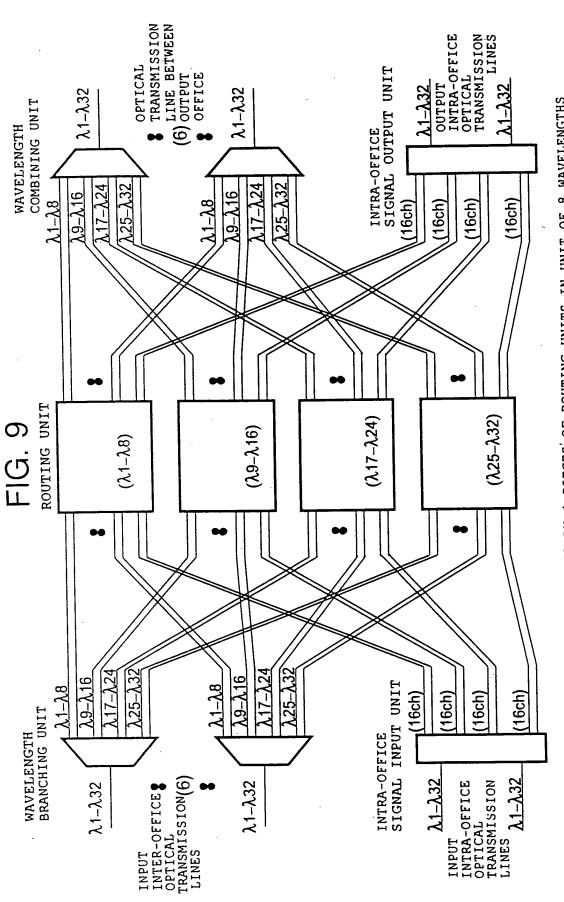


SUBDIVIDED INTO "M" PIECES OF ROUTING UNITS
IN UNIT OF "N" WAVELENGTHS
PROVIDED WITH WAVELENGTH CONVERTER EACH OF THE RESPECTIVE



SUBDIVIDED BY 4 PIECES OF ROUTING UNITS IN UNIT OF 8 WAVELENGTHS (WAVELENGTH NUMBER: 32)
INTER-OFFICE OPTICAL SIGNAL CHANNEL NUMBER: 192

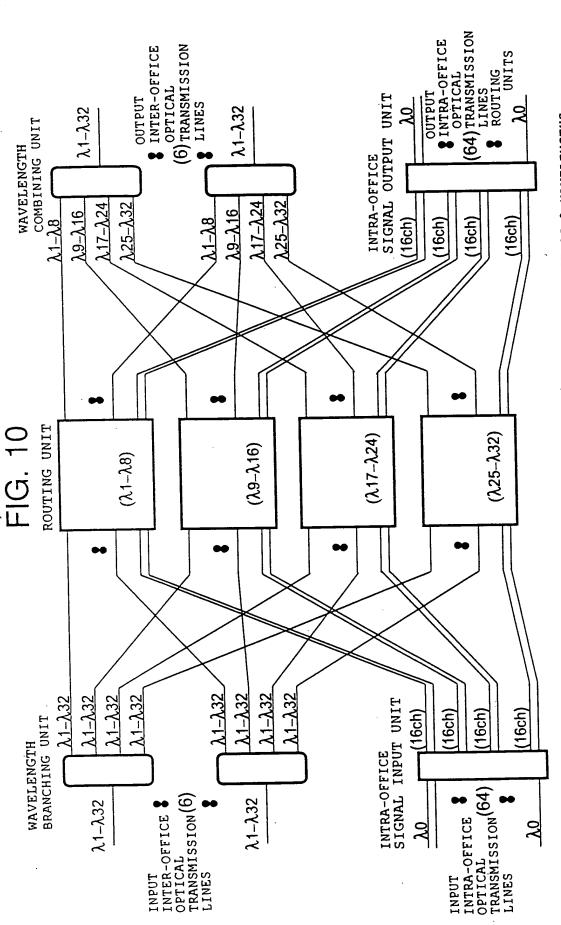
INTRA-OFFICE OPTICAL SIGNAL CHANNEL NUMBER



\*\*SUBDIVIDED BY 4 PIECES OF ROUTING UNITS IN UNIT OF 8 WAVELENGTHS (WAVELENGTH NUMBER: 32)

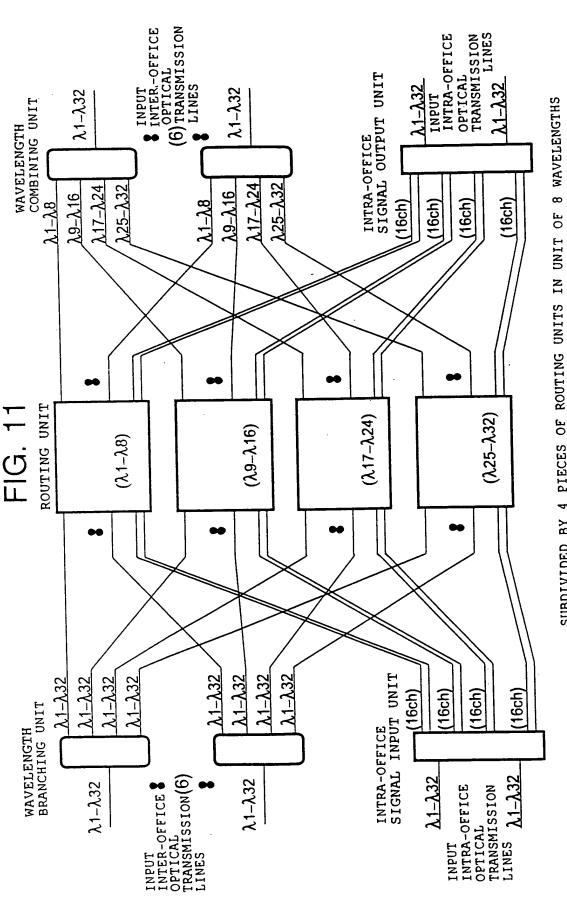
\*\*INTER-OFFICE OPTICAL SIGNAL CHANNEL NUMBER: 192

: 64 INTRA-OFFICE OPTICAL SIGNAL CHANNEL NUMBER



SUBDIVIDED BY 4 PIECES OF ROUTING UNITS IN UNIT OF 8 WAVELENGTHS (WAVELENGTH NUMBER: 32)
MINTER-OFFICE OPTICAL SIGNAL CHANNEL NUMBER: 192

INTRA-OFFICE OPTICAL SIGNAL CHANNEL NUMBER



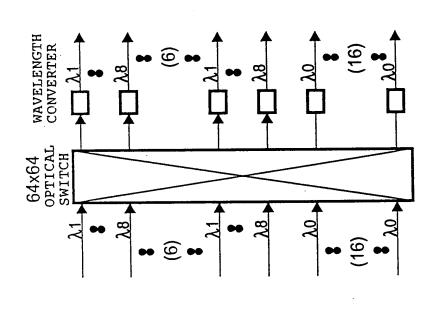
SUBDIVIDED BY 4 PIECES OF ROUTING UNITS IN UNIT OF 8 WAVELENGTHS \*\* (WAVELENGTH NUMBER: 32)

\*\* INTER-OFFICE OPTICAL SIGNAL CHANNEL NUMBER: 192

\*\* INTRA-OFFICE OPTICAL SIGNAL CHANNEL NUMBER: 64

64x64 OPTICAL SWITCH

(16)



(64)

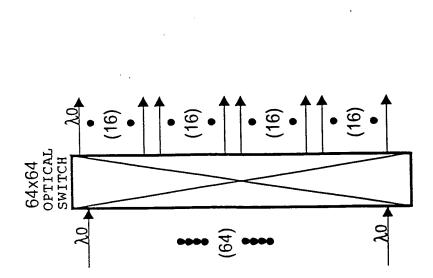
(16)

(16)

X ROUTING UNIT FOR A1 TO A8

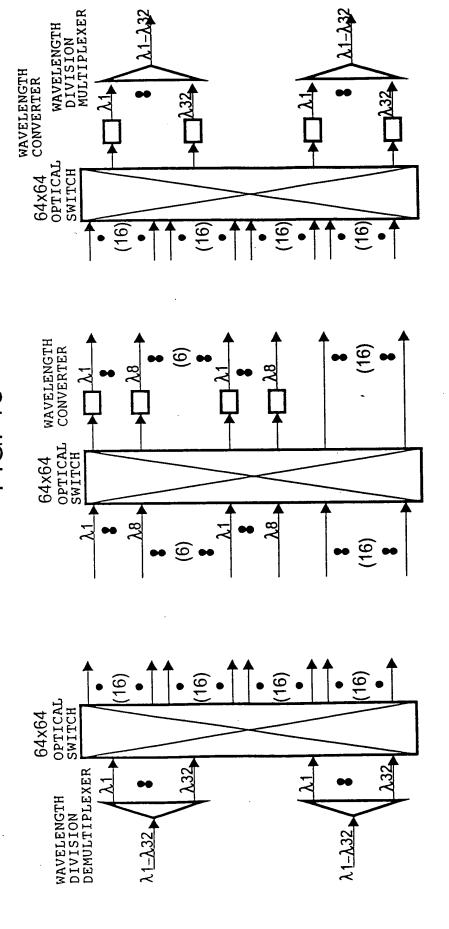
(b) ROUTING UNIT

(c) INTRA-OFFICE SIGNAL OUTPUT UNIT



(a) INTRA-OFFICE SIGNAL INPUT UNIT

FIG. 13



\*ROUTING UNIT FOR A1 TO A8

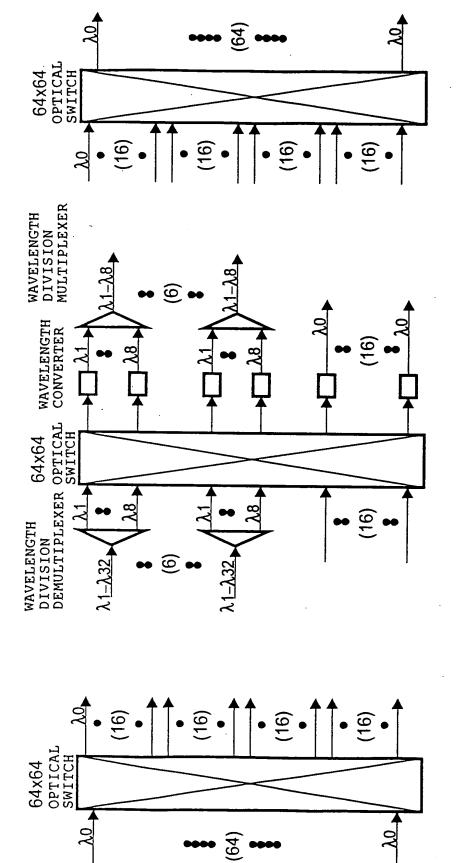
(c) INTRA-OFFICE SIGNAL OUTPUT UNIT

(a) INTRA-OFFICE SIGNAL INPUT UNIT

(b) ROUTING UNIT

And the Upper Comments that the Comment of the comments of the

FIG. 14

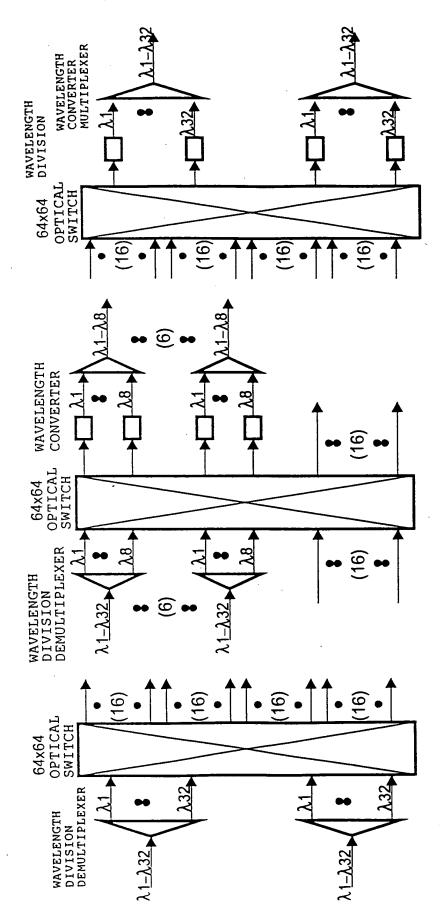


\* ROUTING UNIT FOR A1 TO A8
(b) ROUTING UNIT

(c) INTRA-OFFICE SIGNAL OUTPUT UNIT

(a) INTRA-OFFICE SIGNAL INPUT UNIT

FIG. 15

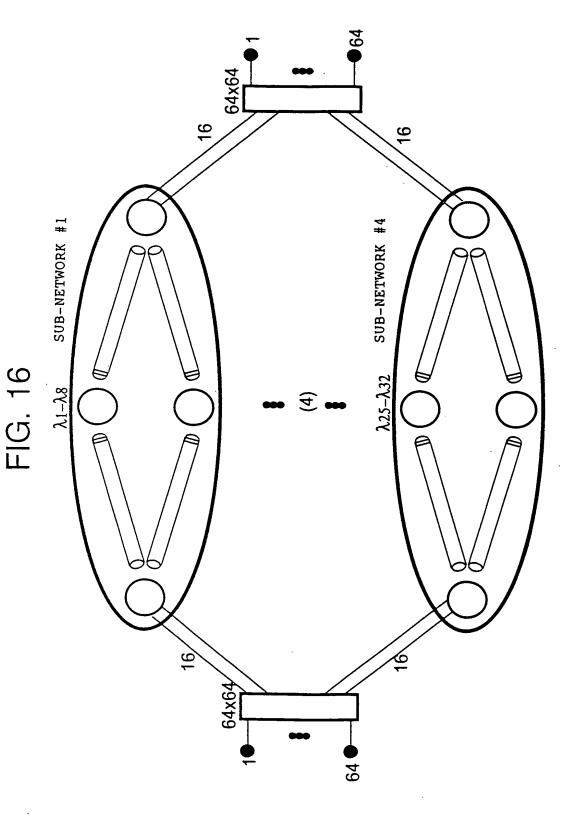


₩ ROUTING UNIT FOR A1 TO A8

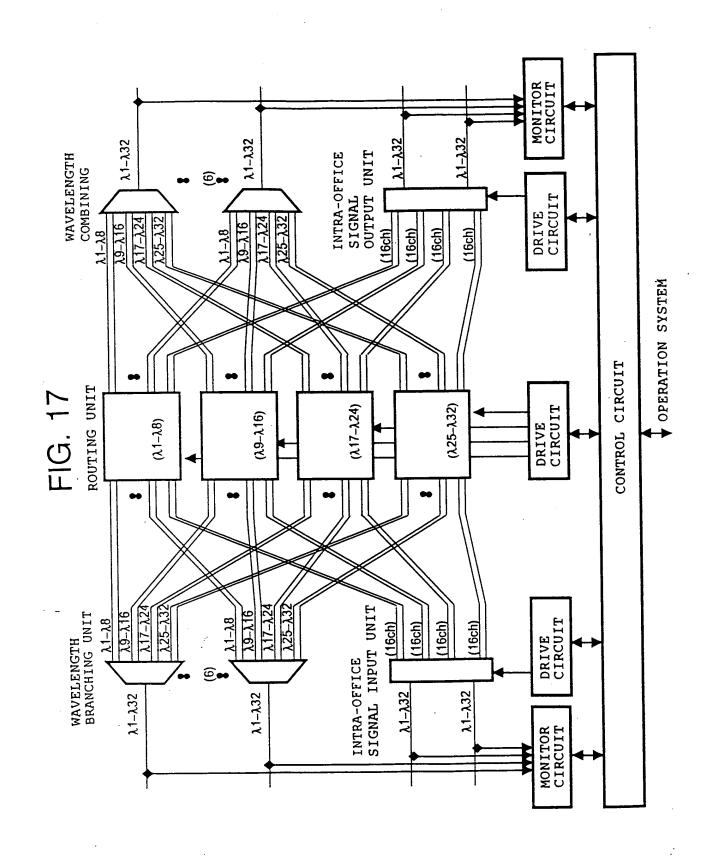
(a) INTRA-OFFICE SIGNAL INPUT UNIT

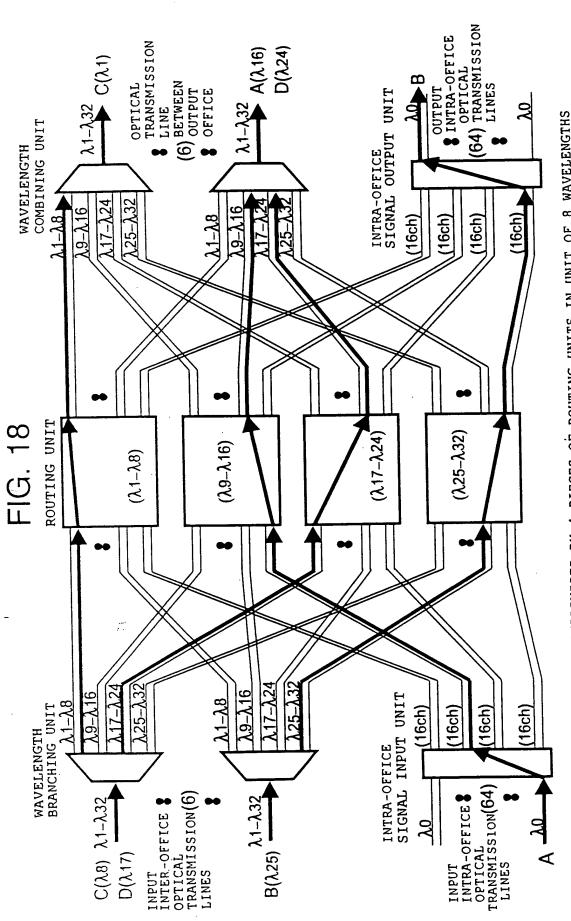
(b) ROUTING UNIT

(c) INTRA-OFFICE SIGNAL OUTPUT UNIT



X THE WAVELENGTHS ARE ALLOCATED IN THE LINK-BY-LINK BASIS IN THE SELECTED SUB-NETWORK BETWEEN THE SENDER AND THE RECEIVER NODES WITH RESPECT TO THE OPTICAL PATH IN THE NETWORK

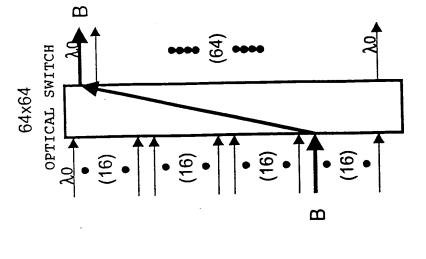




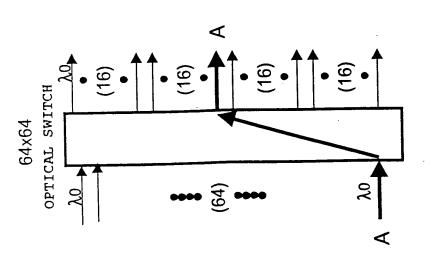
\* SUBDIVIDED BY 4 PIECES OF ROUTING UNITS IN UNIT OF 8 WAVELENGTHS (WAVELENGTH NUMBER: 32)

\* INTER-OFFICE OPTICAL SIGNAL CHANNEL NUMBER : 192

INTRA-OFFICE OPTICAL SIGNAL CHANNEL NUMBER

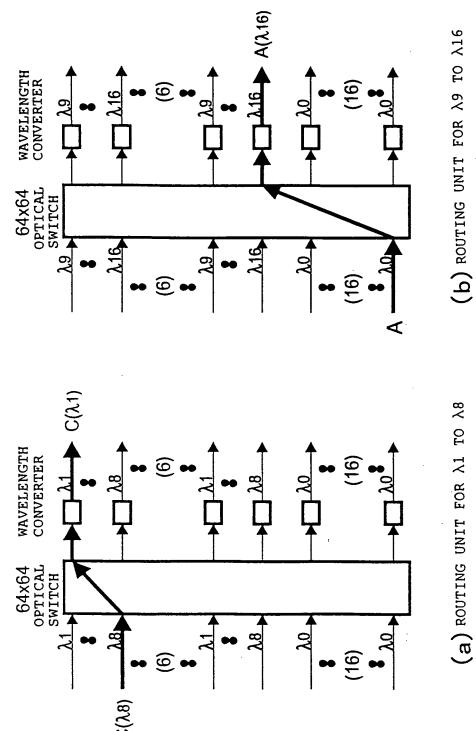


(b) INTRA-OFFICE SIGNAL OUTPUT UNIT



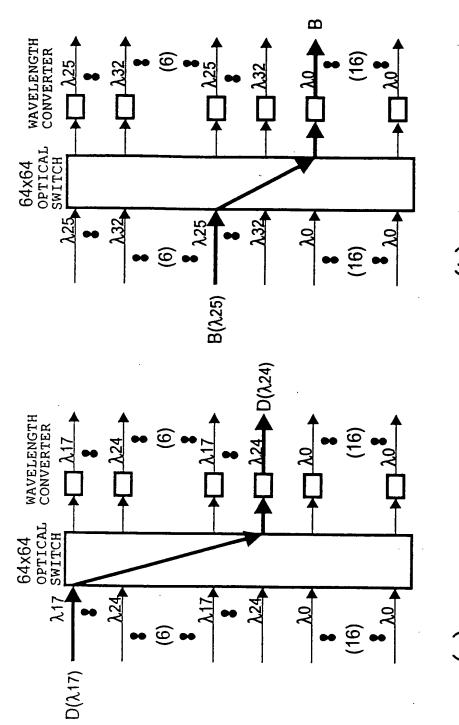
(a) INTRA-OFFICE SIGNAL INPUT UNIT

FIG. 20



(b) ROUTING UNIT FOR A9 TO A16

FIG. 21



(a) ROUTING UNIT FOR A17 TO A24

(b) ROUTING UNIT FOR  $\lambda$ 25 TO  $\lambda$ 32

FIG. 22

